

On page 1, line 20, before "of", insert  
--(Integrated Hall Effect Sensors for Position and Speed  
Recognition)---

On page 1, line 28, delete "mentioned".

On page 1, line 32, before ", VDI", insert  
--(New Alternative Solutions for Speed Sensors based on  
Magnetoresistance of the Motor Vehicle)---

On page 1, line 34, change "No. C2," to --No.--.

On page 2, line 8-9, change "No. C,43,22,440" to  
--No. 43 22 440--.

On page 2, line 17, change "Offenlegungsschrift" to  
--Patent Application--.

On page 2, lines 25-26, delete "From", and change  
"(not a prior publication), it is known" to --describes how--.

On page 3, delete lines 1-4, and insert:  
--SUMMARY OF THE INVENTION--.

On page 3, line 6, change "invention concerns the"  
to --present invention relates to a--.

On page 3, line 9, before "invention", insert  
--present--.

On page 3, line 10, before "invention" insert  
--system according to the present--, and change "discloses" to  
--provides--.

On page 3, line 12, before "invention", insert  
--present--.

On page 3, line 13, before "invention" insert

--system according to the present--, and delete "naturally".

On page 3, line 18, before "invention" insert  
--system according to the present--, and change "starts with"  
to --includes--.

On page 3, line 24, before "speed", insert  
--e.g.,--.

On page 3, delete line 30, and insert:  
--According to the present invention, the third means are--.

On page 4, line 7, delete "(not a prior  
publication)".

On page 4, line 22, before "invention", insert  
--present--.

On page 4, delete line 36, and insert:  
--According to another embodiment of the present invention,  
means are--.

On page 4, delete line 36, and insert:  
--According to another embodiment of the present invention,  
means are--.

On page 5, line 1, before "invention" insert  
system according to the present--.

On page 5, line 3, after "combined", insert  
--(gated)--.

On page 5, line 14, before "invention", insert  
--present--.

On page 5, line 20, change "Finally, the invention"

to --The present invention also--.

On page 5, delete line 37, and insert:

--According to another embodiment of the present invention,  
fifth means for--.

On page 6, line 6, after "combined", insert  
--(gated)--.

On page 6, delete line 14, and insert:

--Another embodiment of the present invention provides that at  
the end--.

On page 6, line 19, before "invention", insert  
--present--.

On page 6, line 22, change "an advantageous design  
of the" to --another embodiment of the present--.

On page 6, line 31, change "variation" to  
--embodiment--.

On page 7, delete lines 18-37, and insert:

BRIEF DESCRIPTION OF THE DRAWINGS

Figure 1 shows a schematic block diagram of a conventional system.

Figure 2 shows a diagram of a combination of an active rotation speed sensor with a brake pad wear detector.

Figure 3a shows a first embodiment of a circuit arrangement of a speed signal modification system according to the present invention.

Figure 3b shows a second embodiment of the circuit arrangement of the speed signal modification system according to the present invention.

Figure 3c shows a block diagram of an evaluation arrangement according to the present invention.

Figure 4 shows a first graphical representation of output signal curves for the system illustrated in Figures 3a and 3b.

Figure 5a shows a second graphical representation of the output signal curves for the system illustrated in Figures 3a and 3b.

Figure 5b shows a third graphical representation of the output signal curves for the system illustrated in Figures 3a and 3b.

Figure 6 shows an exemplary arrangement for detecting an excessive air gap.

Figure 7 shows a graphic representation of output signal generated using the arrangement illustrated in Figure 6.

Figure 8 shows a flow chart diagram of a block illustrated in Figure 3c.

On page 8, before line 1, insert:

--DETAILED DESCRIPTION--.

On page 8, line 12, change "2 and/or 3" to --2, 3a, 3b and/or 3c--.

On page 8, line 14, change "at the outset" to --above--.

On page 8, line 15, before "invention", insert --present--.

On page 8, line 28, change "105" to --103--.

On page 8, line 34, delete "simple".

On page 8, line 35, change "already mentioned" to --described above--.

On page 9, line 21, change "known" to --conventional--.

On page 9, lines 22-23, change "already mentioned previously" to --described above--.

On page 10, line 13, after "transmission", insert --(forward)--.

On page 10, line 18, change "already mentioned" to --described above--.

On page 10, line 22, change "in the following" to --below--.

On page 10, line 34, change "K1" to --5031--.

On page 11, line 1, delete "K2".

On page 11, line 20, change "Figure 5" to --Figures 5a and 5b--.

On page 11, line 35, after "unit", insert --(e.g., detector)--.

On page 12, line 35, after "transmission", insert --(forward)--.

On page 17, line 5, before "invention", insert --present--.

On page 17, line 26, change "3" to --3b--.

On page 18, line 26, change "K1" to --K2--.